

# Magnalite

REG. U. S. PAT. OFF.

## DIFFUSING GLASS



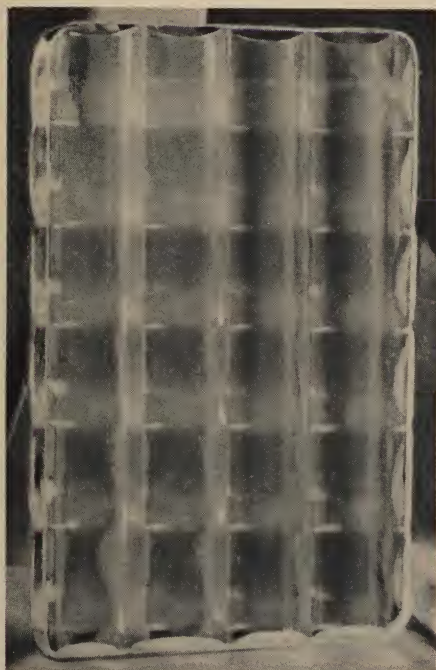
**J. MERRILL RICHARDS**

25 HUNTINGTON AVENUE, BOSTON 16, MASSACHUSETTS



# decorative functional glass

for schools • colleges • hospitals • institutions



Type "A" (actual pattern size)  
Decorative and all purpose obscuring glass.

**DESCRIPTION.** Magnalite is a clear flint glass with series of cylindrically shaped lenses covering each surface and running at right angles to each other. Magnalite Type "A" is made with the lenses approximately  $\frac{1}{2}$ " on centers and Type "B"  $\frac{1}{4}$ " on centers.

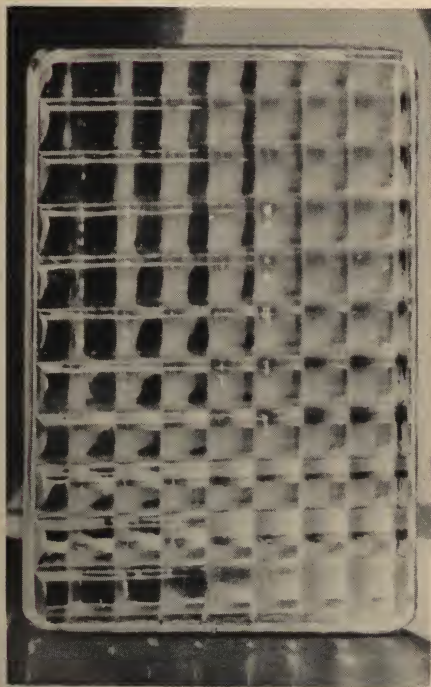
- DECORATIVE AND EXCLUSIVE FUNCTIONAL PROPERTIES
- EXTREMELY OBSCURING, ENSURING PRIVACY
- HARMONIZES PERFECTLY WITH GLASS BLOCKS
- SMALL GLASS OPENINGS ILLUMINATE WIDE AREAS EVENLY
- 4-WAY LIGHT DIFFUSION IMPROVES INTERIOR VISION
- SMART MODERN DESIGN FOR DRAMATIC EFFECTS IN CURRENT ARCHITECTURE
- EASY TO CLEAN AND KEEP CLEAN
- TRANSMITS ABUNDANCE OF MELLOWED LIGHT



Fitzsimmons General Hospital, Denver, Colo.

*Courtesy, U. S. Army Engineers*

MAGNALITE "A" used as an obscuring glass throughout.



Type "B" (actual pattern size)  
Functional with scientifically designed diffusing lenses.



WITH GLASS BLOCKS—MAGNALITE TYPE "A"

Harmonizes perfectly with all types of glass blocks.



New home office of the John Hancock Mutual Life Ins. Co., Boston. *Cram & Ferguson, Archts. & Engrs., Turner Constr. Co., Bldrs.* Certain outside windows and other locations.

art galleries • monumental and commercial buildings





RESTAURANT—MAGNALITE TYPE "A"

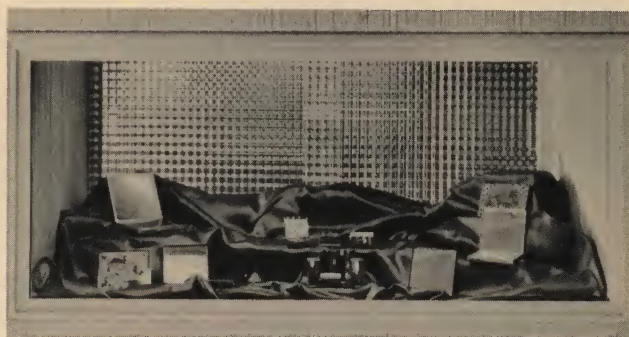
Used in decorative screens and partitions. Effectively bars vision yet transmits an abundance of mellow light.



Wm. T. Aldrich, Archt. — Courtesy, Boston Museum of Fine Arts

## CEILING LIGHTS—MAGNALITE TYPE "A" WIRED

MAGNALITE forms a perfect screen and hides all superstructure and lighting equipment, thoroughly diffusing the light from artificial sources as well as daylight. MAGNALITE Type "B" wired widely used for this purpose.



Effective presentation of show case merchandise

## INSTALLATIONS IN WELL KNOWN BUILDINGS

Pentagon Building, Agriculture Extensible Building, National Art Gallery, Washington, D.C. — Harvard and Yale Universities — Planta de Distribucion, Xotepingo, Hospital Militar, Mexico, D.F. — Sports Arena, La Paz, Bolivia. — Cincinnati and Buffalo Railroad Stations. — New England Mutual Life Insurance Building, Boston. — De Young Museum, San Francisco. — Bethlehem Steel Company, Bethlehem, Pa. — General Electric Company, Schenectady, N.Y.—Dow Chemical Company, Midland, Mich. — Robert Simpson Co., Ltd., Toronto, Canada.

## SPECIFICATION

MAGNALITE Diffusing Glass Type "A" or "B" (Plain or Wired).



TEN EYCK HOTEL, ALBANY, N. Y.

Lippincott & Margulies, Inc., Designers  
Photo by Lionel Freedman Pictorial Service

## BETTER LIGHTED INTERIORS

Front Page Photo FOWNES GLOVE SHOW ROOM, 5th Ave., New York City  
Ketchum, Gina & Sharp, Archts.



# industrial uses of Magnalite diffusing glass



Kenton County Warehouse, Covington, Ky. Partial Installation

## EXCLUSIVE LENS FORMULA

The lenses of MAGNALITE "B" conform to an exclusive optical formula. One series of lenses spreads light evenly at right angles to its axis. The other spreads light in the opposite direction. The resulting diffusion image of unidirectional, or sun's rays, is of even intensity and the same relative shape as the glass opening. The total diffusion angle of MAGNALITE "B" averages 50° and MAGNALITE "A" 35° on each axis.

## SMALLER OPENINGS GLAZED WITH MAGNALITE EFFECTIVE

Due to light diffusing properties smaller openings glazed with MAGNALITE will provide ample illumination. Good interior vision is more a question of securing even light distribution of moderate intensity than flooding a room with bright sunlight. Too much light is objectionable. Smaller glass openings effect savings in Winter heat losses and admission of Summer heat.

A SERVICE is maintained for assistance in solving Daylighting Problems.

## DISTRIBUTION

MAGNALITE is sold, domestically, by leading glass dealers everywhere and through established Foreign agents.

## THICKNESS, SIZES AND WEIGHTS

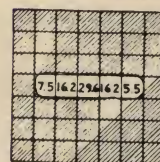
Type	Thickness	Weight Sq. Ft.	Apx. Weight Packed Domestic Cases
A Plain	1 1/4"	3.0 lbs.	3.7
A Wired	Full 1 1/4"	3.3	4.0
B Plain	Full 3/16"	3.0	3.7
B Wired	Full 1/4"	3.3	4.0

STANDARD STOCK SHEETS UP TO 48" WIDE and up to 120", 132" and 144" LONG. MAXIMUM SHEETS 60" WIDE.

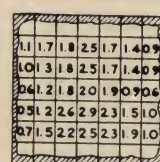
## PRECISION DAYLIGHTING WITH MAGNALITE TYPE "B" WIRED.

The progress photographs of a Tobacco Sales Warehouse show the light diffusing action of Magnalite Type "B" wired. Small skylights, consisting of single sheets of glass, are installed nearly flat and spaced so that the sun's diffusion images from each opening overlap each other in all directions. Sun spots and objectionable areas of high lights and shadows are eliminated to produce an unexcelled natural work-light. The ratios of glass area to floor area are varied according to latitude to secure proper light intensities. Magnalite is the standard and most widely used skylight glass for Warehouses in all Tobacco belts.

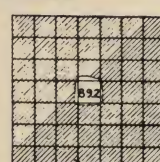
## EVEN LIGHT DISTRIBUTION



RIBBED



MAGNALITE "B" WIRED



HAMMERED

## COMPARATIVE LIGHT DIFFUSION IMAGES OF SUNLIGHT

FIGURES ARE IN RELATIVE PERCENTAGES OF INCIDENT LIGHT INTENSITY.



Kenton County Warehouse, Covington, Ky. Installation Completed

## OTHER DAYLIGHTING PRODUCTS

Thermag Semi Vacuum Glass Block insulating skylights. Single Glazed Type W-F Skylights. Glass floors and pavement lights.

## MANUFACTURE

MAGNALITE is manufactured, in plain and wired sheets, by the MISSISSIPPI GLASS CO.

**J. Merrill Richards**

25 Huntington Avenue • Boston 16, Massachusetts

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